

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P417136

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8350 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G4

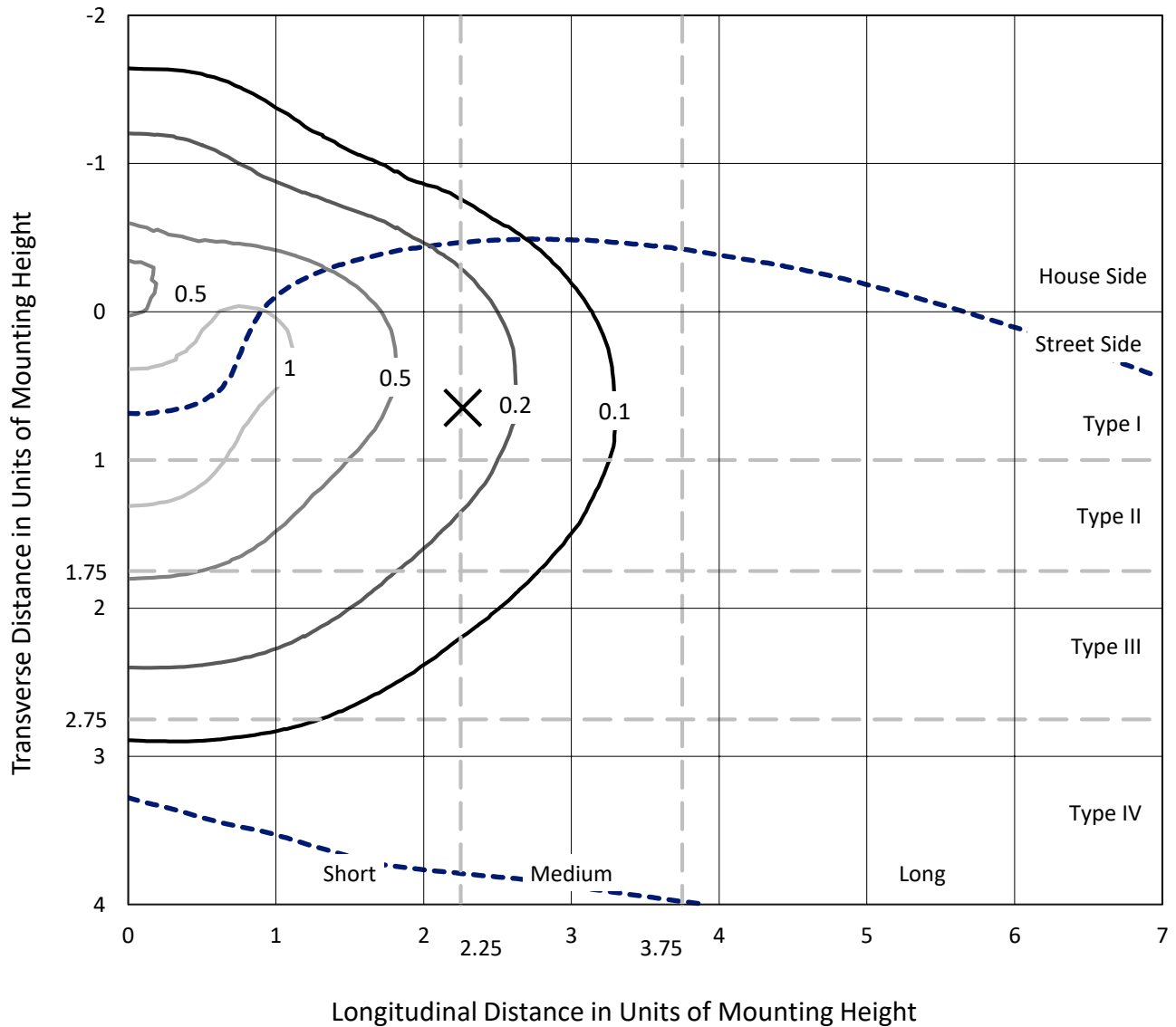
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

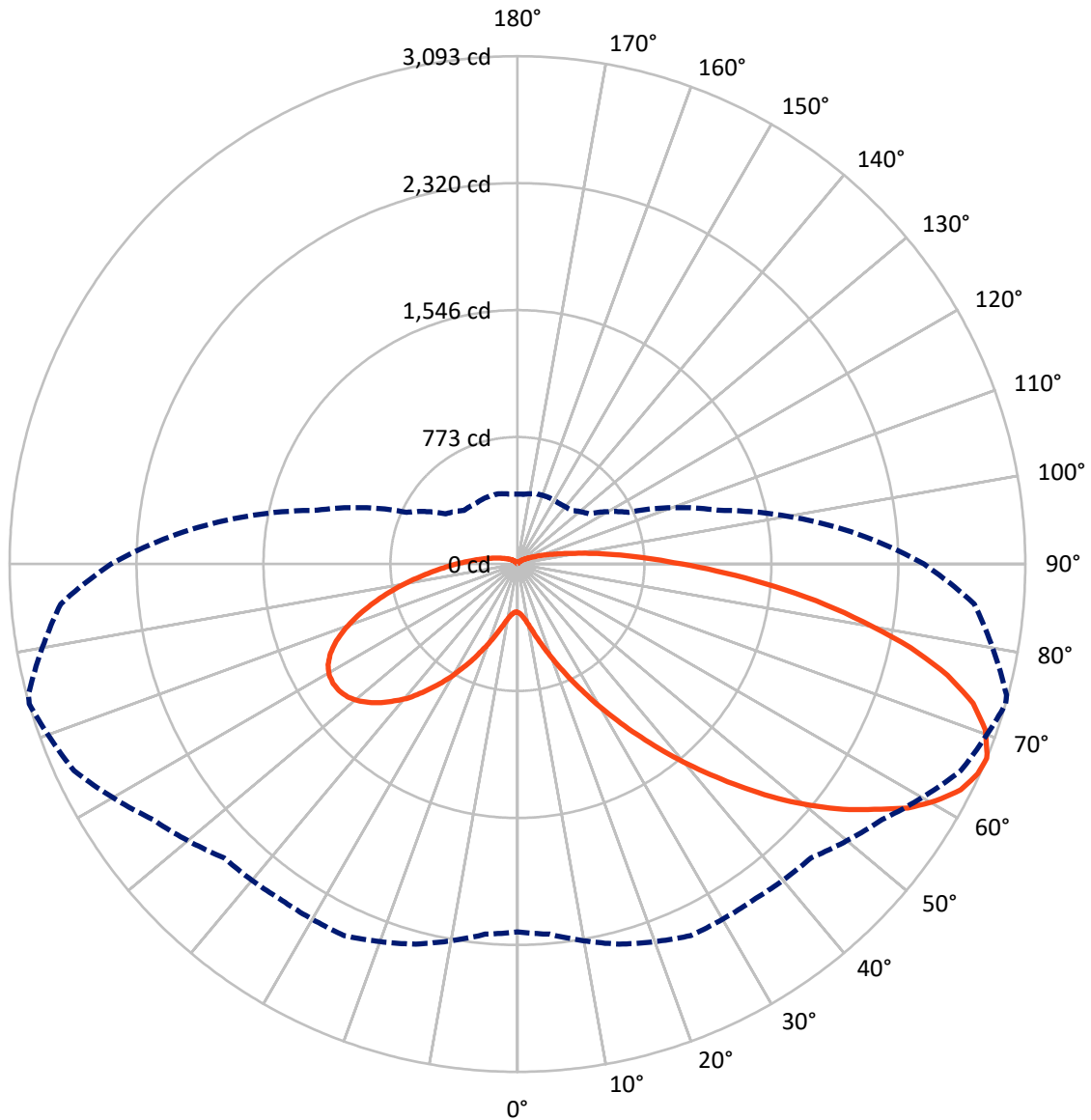
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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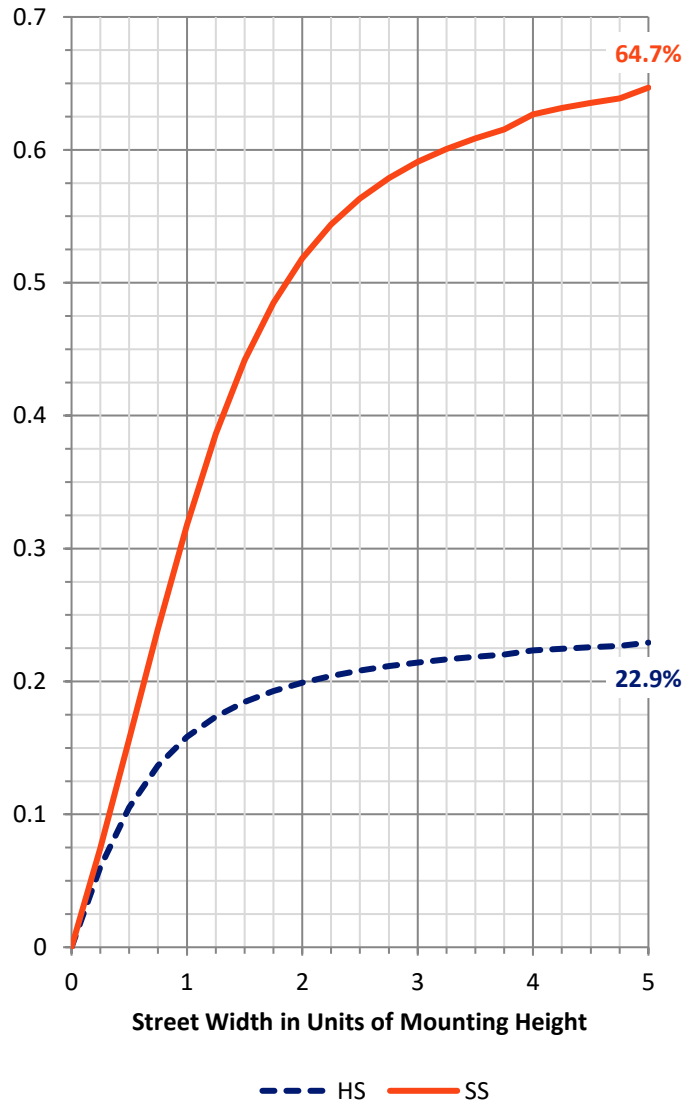
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2012.8	248.9	2261.7
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	5654.9	433.4	6088.3
	% Fixture	67.7	5.2	72.9
Total	Lumens	7667.7	682.3	8350.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	0.4
10°-20°	128.1	1.5
20°-30°	324.3	3.9
30°-40°	650.8	7.8
40°-50°	1092.5	13.1
50°-60°	1532.6	18.4
60°-70°	1713.0	20.5
70°-80°	1397.5	16.7
80°-90°	797.8	9.6
90°-100°	364.6	4.4
100°-110°	166.9	2.0
110°-120°	82.3	1.0
120°-130°	41.8	0.5
130°-140°	19.4	0.2
140°-150°	6.4	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7667.7	91.8
0°-180°	8350.0	100.0

Coefficient of Utilization



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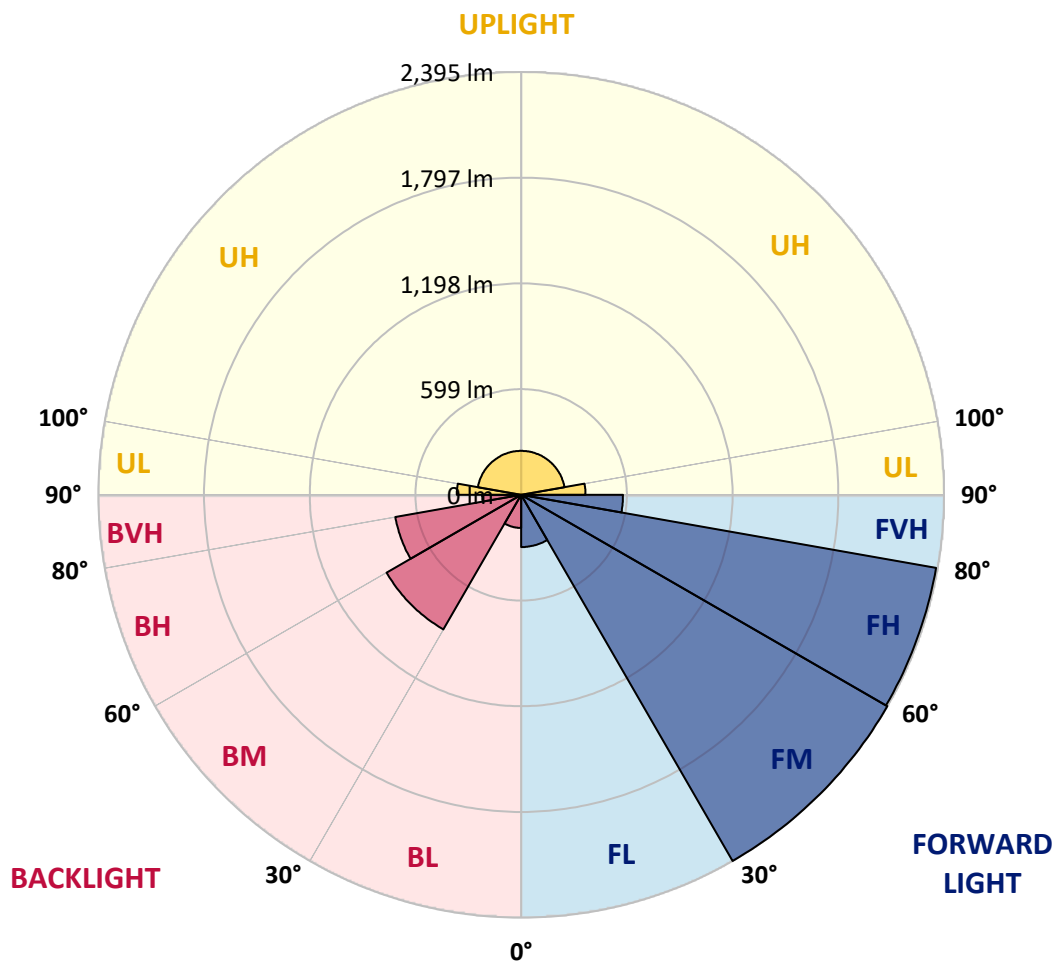
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.9	3.5			
FM	(30°-60°)	2395.4	28.7			
FH	(60°-80°)	2386.8	28.6			G2/5000
FVH	(80°-90°)	576.8	6.9			G4/750
BL	(0°-30°)	187.6	2.2	B1/500		
BM	(30°-60°)	880.5	10.5	B1/1000		
BH	(60°-80°)	723.8	8.7	B2/1000		G2/1000
BVH	(80°-90°)	220.9	2.6			G2/225
UL	(90°-100°)	364.6	4.4		U3/500	
UH	(100°-180°)	248.9	3.0		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6
2.5°	320.1	318.1	318.1	316.2	315.2	311.2	308.3	304.4	302.4	301.4	298.5
5°	349.5	346.6	346.6	344.6	340.7	335.8	328.9	325.0	318.1	319.1	310.3
7.5°	384.9	383.9	381.9	378.0	373.1	367.2	360.3	351.5	343.6	343.6	332.8
10°	432.0	426.1	426.1	421.2	416.3	407.5	397.6	387.8	377.0	376.0	361.3
12.5°	489.0	488.0	482.1	475.2	467.4	458.5	442.8	433.0	422.2	421.2	405.5
15°	555.7	552.8	544.9	542.0	530.2	514.5	501.7	491.9	481.1	477.2	456.6
17.5°	634.3	630.3	627.4	612.7	602.9	590.1	575.4	562.6	543.9	542.0	519.4
20°	726.6	717.7	708.9	697.1	681.4	669.6	653.9	642.1	620.5	620.5	590.1
22.5°	823.8	821.8	813.9	794.3	772.7	760.9	746.2	722.6	705.0	700.1	666.7
25°	941.6	939.6	923.9	903.3	880.7	863.0	839.5	813.9	799.2	798.2	760.9
27.5°	1075.1	1078.1	1050.6	1024.1	993.6	965.2	939.6	926.9	907.2	904.3	861.1
30°	1236.1	1223.4	1194.9	1156.6	1114.4	1078.1	1051.6	1038.8	1026.0	1025.0	973.0
32.5°	1400.1	1385.4	1360.8	1307.8	1248.9	1192.9	1180.2	1169.4	1154.6	1146.8	1094.8
35°	1581.8	1570.0	1534.6	1464.9	1386.4	1325.5	1299.0	1300.9	1294.1	1290.1	1227.3
37.5°	1782.0	1761.4	1713.3	1645.6	1529.7	1463.9	1433.5	1450.2	1446.3	1438.4	1372.6
40°	1970.6	1967.6	1916.6	1811.5	1694.7	1601.4	1580.8	1609.2	1604.3	1594.5	1521.9
42.5°	2188.5	2166.9	2110.0	1992.2	1850.8	1747.7	1725.1	1767.3	1773.2	1775.2	1678.0
45°	2375.1	2365.3	2311.3	2175.8	2012.8	1900.9	1882.2	1927.4	1947.0	1949.0	1841.9
47.5°	2556.7	2552.8	2497.8	2357.4	2170.9	2052.1	2027.5	2092.3	2133.5	2124.7	1998.1
50°	2693.2	2700.1	2655.9	2522.4	2328.0	2186.6	2192.5	2272.0	2310.3	2305.4	2165.0
52.5°	2810.0	2800.2	2781.6	2654.9	2452.6	2323.0	2329.9	2425.2	2482.1	2479.2	2323.0
55°	2853.2	2850.3	2852.3	2749.2	2554.8	2435.0	2455.6	2590.1	2637.2	2631.3	2451.7
57.5°	2844.4	2842.4	2872.9	2805.1	2637.2	2523.3	2570.5	2725.6	2803.2	2795.3	2587.2
60°	2777.6	2768.8	2834.6	2810.0	2670.6	2578.3	2660.8	2844.4	2927.9	2925.9	2698.1
62.5°	2627.4	2641.2	2732.5	2755.1	2660.8	2606.8	2714.8	2936.7	3030.0	3023.1	2777.6
65°	2418.3	2452.6	2562.6	2641.2	2594.0	2581.3	2734.4	2977.9	3081.0	3080.0	2806.1
67°	2239.6	2263.2	2396.7	2496.8	2499.8	2529.2	2711.9	2978.9	3092.8	3084.0	2792.4
67.5°	2176.7	2208.2	2343.7	2465.4	2478.2	2514.5	2703.0	2977.0	3085.0	3080.0	2785.5
70°	1892.0	1928.3	2076.6	2229.8	2308.3	2386.9	2622.5	2922.0	3022.1	3011.3	2706.0
72.5°	1603.4	1654.4	1794.8	1976.5	2091.3	2220.9	2483.1	2784.5	2902.3	2879.8	2550.8
75°	1326.5	1360.8	1497.3	1693.7	1842.9	2018.7	2292.6	2598.9	2705.0	2686.3	2353.5
77.5°	1057.4	1088.9	1220.4	1417.8	1586.7	1784.0	2069.7	2366.2	2448.7	2437.9	2103.1
80°	834.6	857.2	983.8	1159.6	1333.3	1544.4	1815.4	2080.5	2134.5	2142.4	1827.2
82.5°	642.1	671.6	781.5	936.7	1100.6	1301.9	1537.6	1772.2	1832.1	1812.5	1544.4
85°	490.9	515.5	613.7	745.2	909.2	1079.0	1289.2	1481.6	1508.1	1485.5	1251.9
87.5°	383.9	402.6	479.1	606.8	737.4	882.7	1050.6	1197.9	1211.6	1207.7	1002.5
90°	297.5	314.2	378.0	479.1	598.9	723.6	855.2	958.3	951.4	957.3	790.4
92.5°	233.7	242.5	300.4	389.8	489.9	590.1	690.2	759.0	758.0	741.3	616.6
95°	189.5	194.4	244.5	319.1	399.6	479.1	553.8	597.9	596.0	578.3	481.1
97.5°	153.2	156.1	199.3	262.2	329.9	391.8	445.8	477.2	461.5	454.6	377.0
100°	125.7	127.6	164.9	219.0	274.9	327.9	366.2	379.0	357.4	353.5	296.5
102.5°	107.0	108.0	139.4	185.6	229.8	270.0	298.5	304.4	278.8	280.8	233.7
105°	91.3	92.3	116.8	158.1	195.4	225.8	246.4	243.5	222.9	219.9	186.6
107.5°	79.5	80.5	100.1	135.5	167.9	193.4	204.2	197.4	178.7	174.8	150.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	69.7	70.7	86.4	115.9	144.3	165.9	171.8	161.0	144.3	140.4	123.7
112.5°	62.8	62.8	75.6	100.1	125.7	143.3	145.3	134.5	115.9	113.9	103.1
115°	56.9	56.9	66.8	86.4	109.0	122.7	122.7	110.0	95.2	94.3	86.4
117.5°	52.0	52.0	58.9	75.6	94.3	106.0	104.1	92.3	79.5	78.5	74.6
120°	48.1	48.1	53.0	65.8	81.5	90.3	88.4	76.6	66.8	65.8	63.8
122.5°	44.2	45.2	48.1	57.9	70.7	77.6	75.6	65.8	56.9	56.0	56.0
125°	41.2	41.2	43.2	50.1	60.9	66.8	63.8	54.0	48.1	48.1	48.1
127.5°	38.3	38.3	39.3	44.2	52.0	56.0	53.0	45.2	42.2	41.2	42.2
130°	35.3	35.3	36.3	38.3	44.2	46.1	43.2	38.3	35.3	35.3	36.3
132.5°	32.4	32.4	32.4	33.4	36.3	38.3	35.3	31.4	30.4	30.4	31.4
135°	29.5	30.4	29.5	29.5	30.4	30.4	27.5	25.5	25.5	26.5	27.5
137.5°	26.5	26.5	25.5	24.5	24.5	23.6	21.6	20.6	21.6	21.6	22.6
140°	23.6	23.6	22.6	20.6	18.7	17.7	16.7	15.7	17.7	17.7	18.7
142.5°	20.6	20.6	18.7	16.7	13.7	11.8	10.8	11.8	13.7	13.7	14.7
145°	16.7	16.7	15.7	13.7	9.8	7.9	6.9	8.8	9.8	9.8	10.8
147.5°	13.7	12.8	11.8	9.8	6.9	4.9	3.9	5.9	6.9	6.9	7.9
150°	9.8	9.8	8.8	6.9	3.9	2.0	2.0	2.9	3.9	3.9	4.9
152.5°	6.9	6.9	5.9	3.9	2.0	0.0	1.0	2.0	2.0	2.0	2.9
155°	3.9	3.9	3.9	2.9	1.0	0.0	0.0	1.0	1.0	1.0	2.0
157.5°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6
2.5°	296.5	294.6	292.6	289.6	287.7	285.7	283.8	282.8	282.8	281.8	282.8
5°	307.3	304.4	298.5	293.6	287.7	283.8	279.8	277.9	275.9	274.9	274.9
7.5°	327.0	323.0	313.2	304.4	295.5	288.7	283.8	278.8	276.9	275.9	275.9
10°	355.4	349.5	334.8	322.0	309.3	300.4	291.6	286.7	283.8	281.8	281.8
12.5°	395.7	385.9	367.2	345.6	328.9	317.1	306.3	301.4	300.4	300.4	300.4
15°	449.7	435.9	407.5	381.9	357.4	336.8	328.9	328.9	327.9	327.0	327.9
17.5°	505.7	489.9	454.6	422.2	391.8	371.1	358.4	355.4	354.4	353.5	354.4
20°	572.4	552.8	511.5	467.4	429.1	409.4	391.8	383.9	382.9	383.9	381.9
22.5°	648.0	626.4	565.5	512.5	470.3	442.8	422.2	411.4	413.4	413.4	412.4
25°	739.3	705.9	634.3	562.6	511.5	473.2	449.7	438.9	439.9	441.8	443.8
27.5°	831.6	793.3	702.0	614.6	547.9	503.7	476.2	464.4	463.4	469.3	468.3
30°	939.6	890.5	776.6	667.7	581.3	525.3	496.8	487.0	486.0	490.9	491.9
32.5°	1055.5	994.6	854.2	720.7	610.7	543.9	511.5	504.7	502.7	507.6	508.6
35°	1182.1	1104.6	929.8	766.8	635.3	556.7	523.3	515.5	512.5	517.4	519.4
37.5°	1304.9	1214.5	1007.4	808.1	654.9	564.6	528.2	522.3	518.4	521.4	522.3
40°	1434.5	1338.3	1085.9	845.4	666.7	568.5	530.2	524.3	520.4	520.4	520.4
42.5°	1576.8	1452.1	1149.7	871.9	673.5	567.5	528.2	521.4	516.5	512.5	512.5
45°	1723.1	1574.9	1215.5	893.5	674.5	562.6	523.3	517.4	509.6	501.7	500.7
47.5°	1865.5	1685.8	1273.5	905.3	671.6	555.7	516.5	508.6	501.7	489.9	489.9
50°	2003.9	1796.8	1321.6	911.2	662.7	547.9	509.6	501.7	492.9	477.2	475.2
52.5°	2130.6	1897.9	1357.9	909.2	650.0	537.1	500.7	493.9	483.1	464.4	464.4
55°	2255.3	1991.2	1380.5	896.4	634.3	525.3	492.9	486.0	474.2	454.6	452.6
57.5°	2357.4	2057.9	1389.3	876.8	616.6	512.5	485.0	478.2	467.4	445.8	445.8
60°	2443.8	2113.9	1383.4	851.3	597.0	500.7	475.2	471.3	461.5	440.8	440.8
62.5°	2493.9	2136.5	1360.8	818.9	574.4	488.0	466.4	464.4	455.6	435.9	435.9
65°	2504.7	2121.8	1314.7	778.6	551.8	473.2	456.6	455.6	449.7	431.0	429.1
67°	2475.2	2083.5	1263.6	744.2	532.2	461.5	447.7	447.7	442.8	426.1	425.1
67.5°	2464.4	2068.7	1249.9	735.4	528.2	459.5	445.8	446.7	441.8	425.1	422.2
70°	2370.2	1969.6	1165.4	685.3	500.7	441.8	433.0	434.0	430.0	417.3	414.3
72.5°	2223.9	1827.2	1066.3	637.2	473.2	424.2	415.3	419.2	415.3	405.5	399.6
75°	2026.5	1653.4	963.2	582.2	445.8	402.6	396.7	398.6	397.6	387.8	382.9
77.5°	1793.8	1462.0	853.2	531.2	415.3	381.0	375.1	378.0	376.0	367.2	361.3
80°	1541.5	1259.7	747.2	480.1	383.9	356.4	350.5	351.5	350.5	341.7	333.8
82.5°	1294.1	1061.4	639.2	430.0	353.5	329.9	323.0	322.0	320.1	310.3	304.4
85°	1068.2	871.9	545.9	381.9	322.0	300.4	294.6	290.6	287.7	276.9	273.0
87.5°	851.3	712.8	461.5	340.7	290.6	273.0	265.1	258.2	253.3	243.5	239.6
90°	679.4	574.4	393.7	298.5	262.2	246.4	235.6	226.8	220.9	210.1	204.2
92.5°	539.0	457.5	330.9	262.2	234.7	220.9	211.1	200.3	192.4	178.7	175.8
95°	427.1	368.2	278.8	229.8	208.2	196.4	187.5	175.8	164.9	151.2	148.3
97.5°	337.8	300.4	234.7	201.3	183.6	173.8	164.9	153.2	141.4	127.6	125.7
100°	270.0	241.5	201.3	175.8	164.0	154.1	145.3	134.5	119.8	106.0	106.0
102.5°	217.0	198.3	168.9	154.1	144.3	136.5	128.6	117.8	102.1	87.4	87.4
105°	175.8	164.0	145.3	134.5	127.6	121.7	113.9	101.1	85.4	73.6	73.6
107.5°	144.3	135.5	124.7	116.8	112.9	107.0	100.1	87.4	72.7	61.9	61.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	119.8	113.9	106.0	103.1	100.1	95.2	87.4	75.6	60.9	53.0	53.0
112.5°	100.1	97.2	91.3	90.3	88.4	84.4	76.6	64.8	51.1	46.1	46.1
115°	85.4	83.5	79.5	79.5	77.6	74.6	66.8	56.0	44.2	39.3	40.3
117.5°	72.7	71.7	69.7	69.7	68.7	65.8	57.9	48.1	37.3	35.3	35.3
120°	63.8	62.8	61.9	60.9	60.9	56.9	50.1	40.3	32.4	31.4	31.4
122.5°	55.0	55.0	54.0	54.0	53.0	49.1	43.2	34.4	28.5	27.5	27.5
125°	48.1	48.1	47.1	47.1	46.1	43.2	37.3	29.5	24.5	24.5	24.5
127.5°	42.2	42.2	41.2	41.2	40.3	36.3	31.4	24.5	21.6	21.6	22.6
130°	37.3	37.3	36.3	35.3	34.4	31.4	25.5	20.6	18.7	19.6	19.6
132.5°	32.4	31.4	31.4	30.4	28.5	25.5	21.6	17.7	16.7	17.7	17.7
135°	27.5	27.5	26.5	25.5	23.6	21.6	17.7	14.7	14.7	15.7	15.7
137.5°	23.6	23.6	22.6	20.6	19.6	16.7	13.7	11.8	12.8	13.7	13.7
140°	18.7	19.6	18.7	16.7	14.7	12.8	10.8	9.8	10.8	11.8	12.8
142.5°	15.7	15.7	14.7	12.8	10.8	8.8	7.9	7.9	9.8	10.8	10.8
145°	11.8	11.8	10.8	9.8	6.9	5.9	4.9	6.9	7.9	8.8	8.8
147.5°	7.9	7.9	7.9	5.9	3.9	2.9	2.9	4.9	6.9	6.9	6.9
150°	4.9	4.9	4.9	3.9	2.0	1.0	2.0	3.9	4.9	5.9	5.9
152.5°	2.9	2.9	2.9	2.0	1.0	0.0	1.0	2.9	3.9	3.9	3.9
155°	2.0	2.0	2.0	1.0	1.0	0.0	1.0	2.0	2.9	2.9	2.9
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)